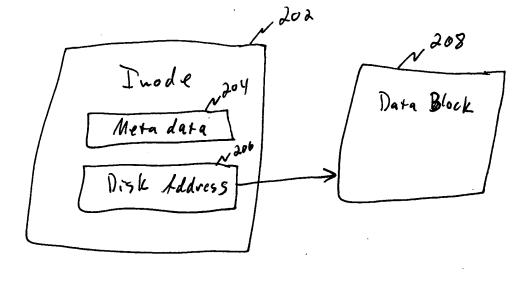
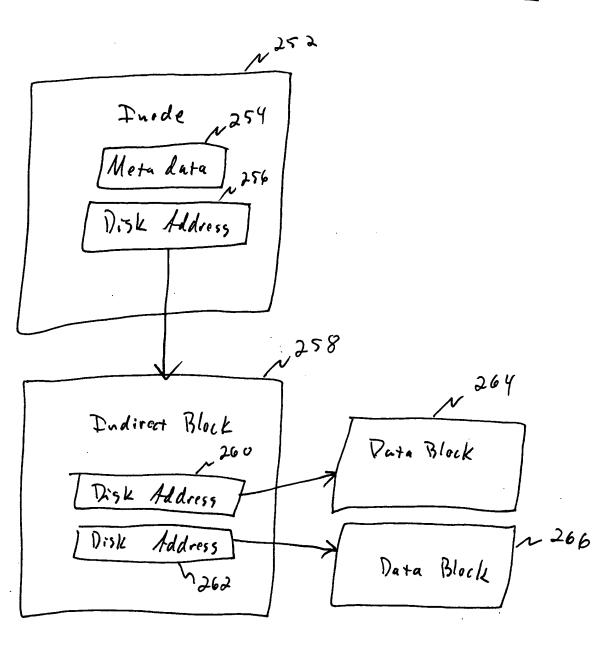


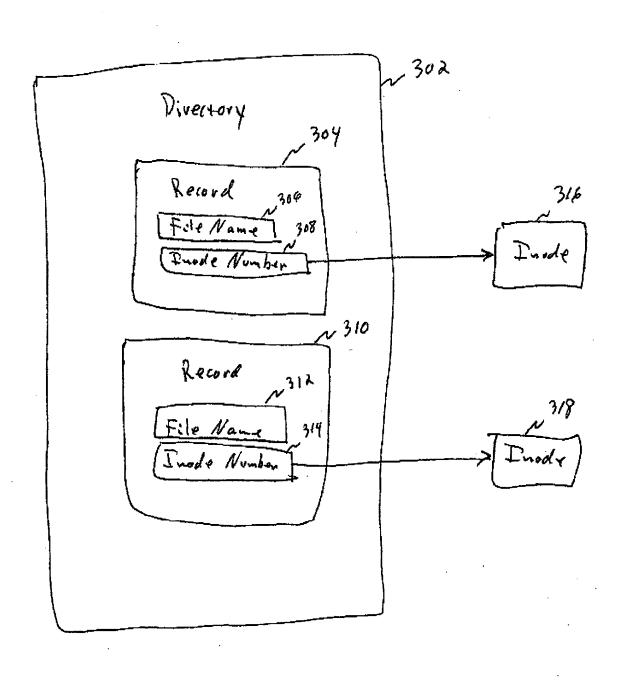
F16.1



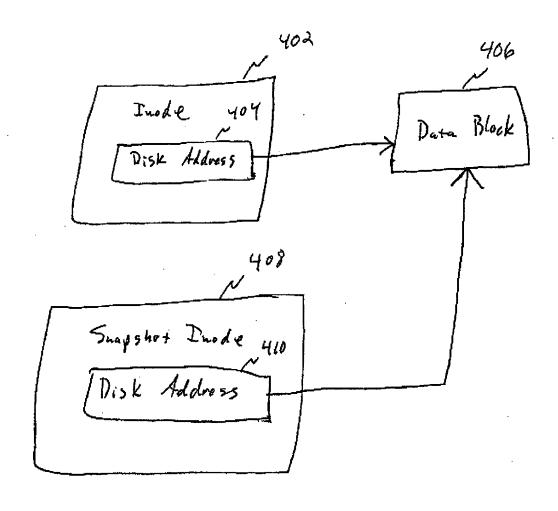
all from the first and the first the first the first and first the first and



F16. 2B



F16.3



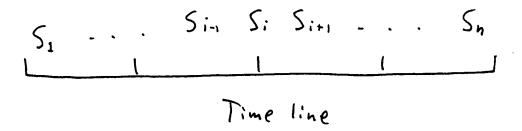
F16.4

500 Start)~ 502 Snapshot of source is taken 510 Snapshot updated as a vesult of 506 update of source Retrieve snapshot intermation

F14.5

600 Start) 1602 Suspend file. System updates Write cached updates to disk Sparse shadow inode File generated Resume file system updates Stop

F19. 6A

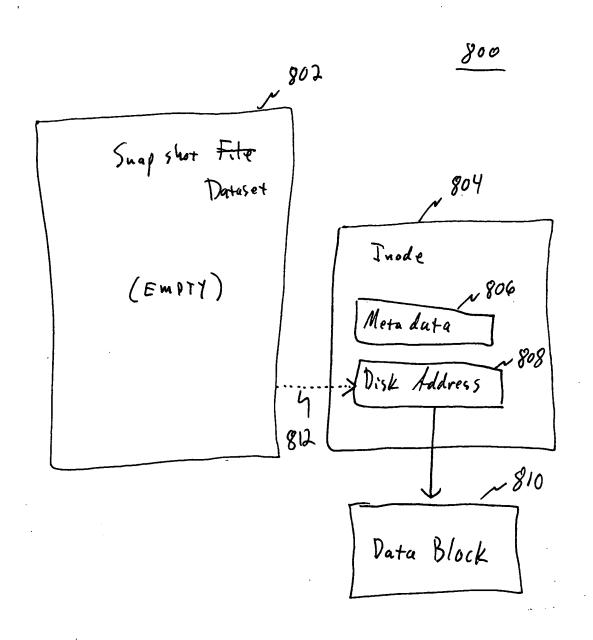


F19. 6B

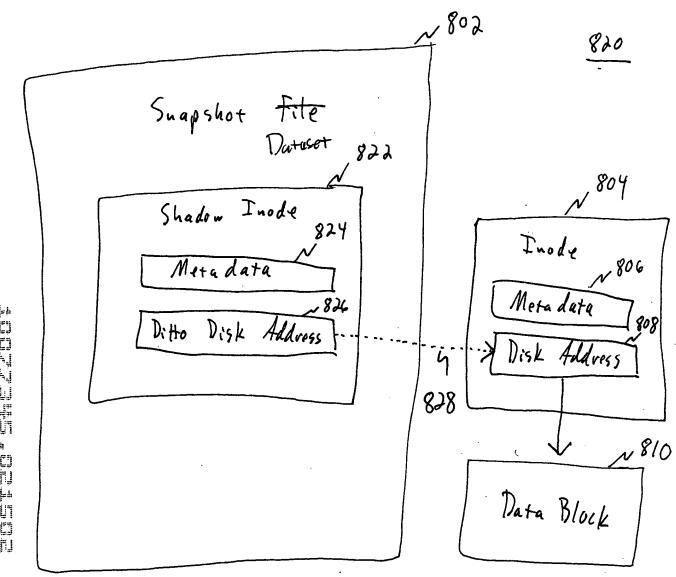
را برتمه يوشي

720
Start 2724
Resolve implied references in corrent snupshot for Lata being modified in corrent snapshot
Copy data associated with implied references into current snapshot
Rosolve implied refferences in next oldest snapshot for data being modified
Copy data ussociated with implied references into next oldest snapshot
Modify duta in corrent snapshot 732
5+0p 7-734

F14. 7B



F19.84



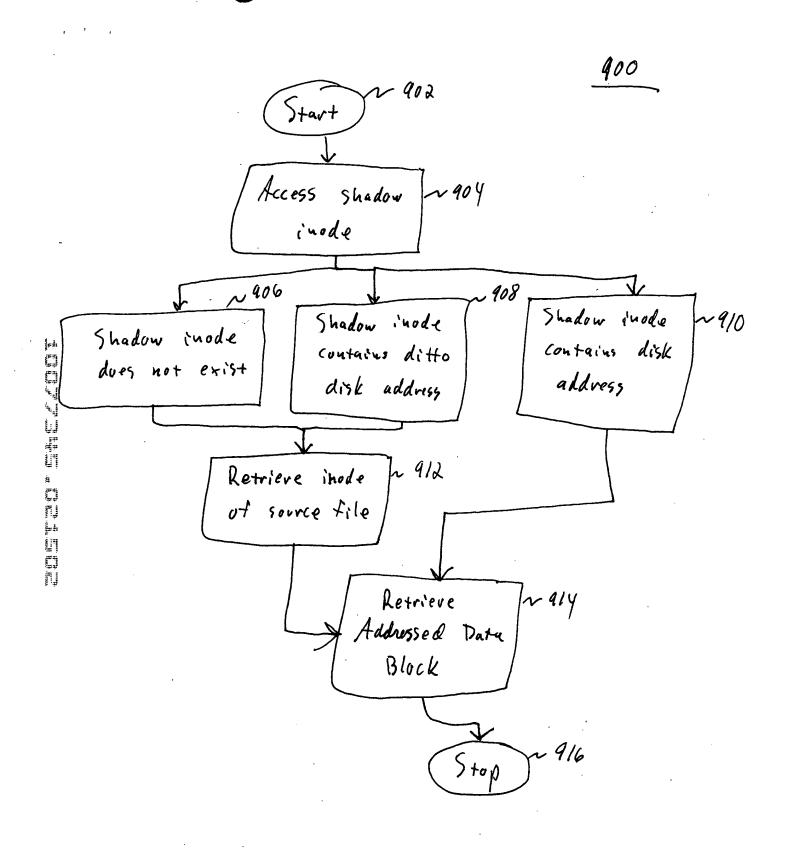
F14. 8B

830

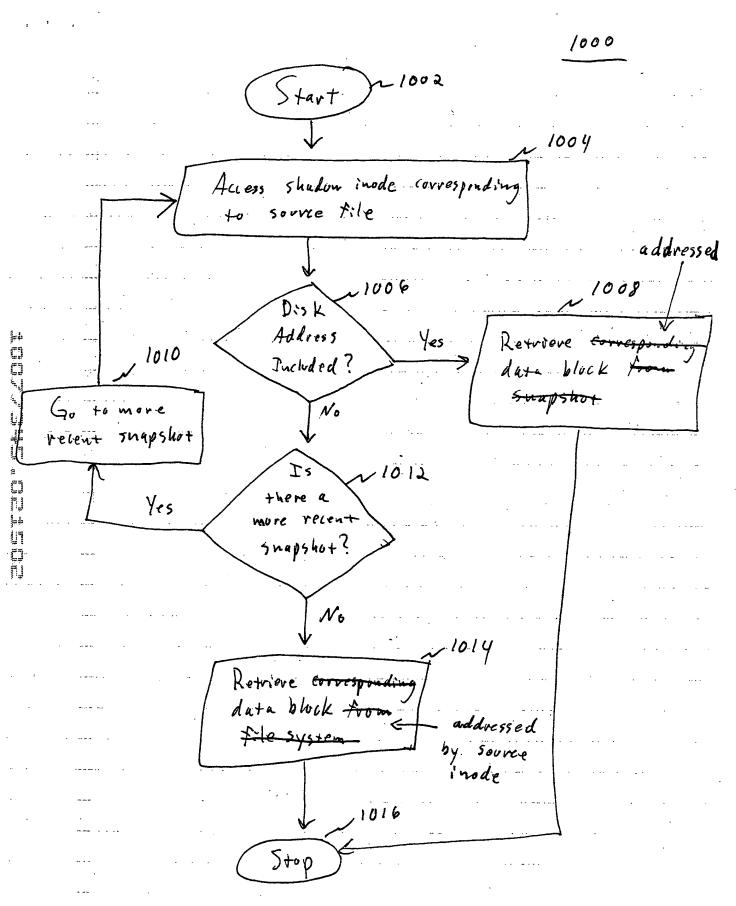
४०२

F14.8C

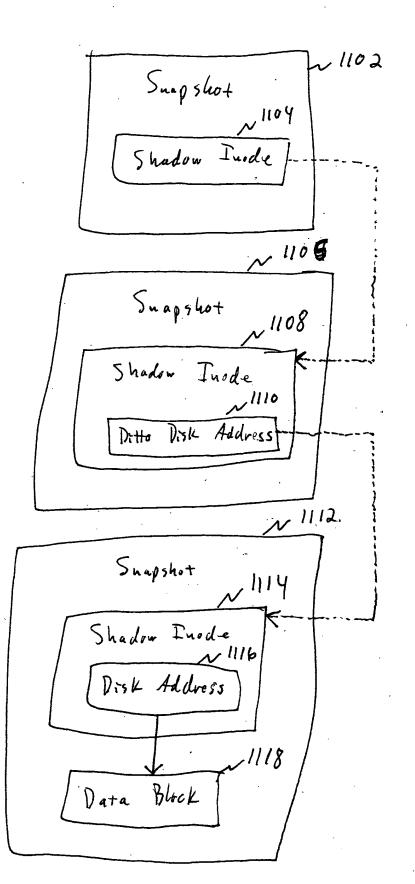
F16. 8D



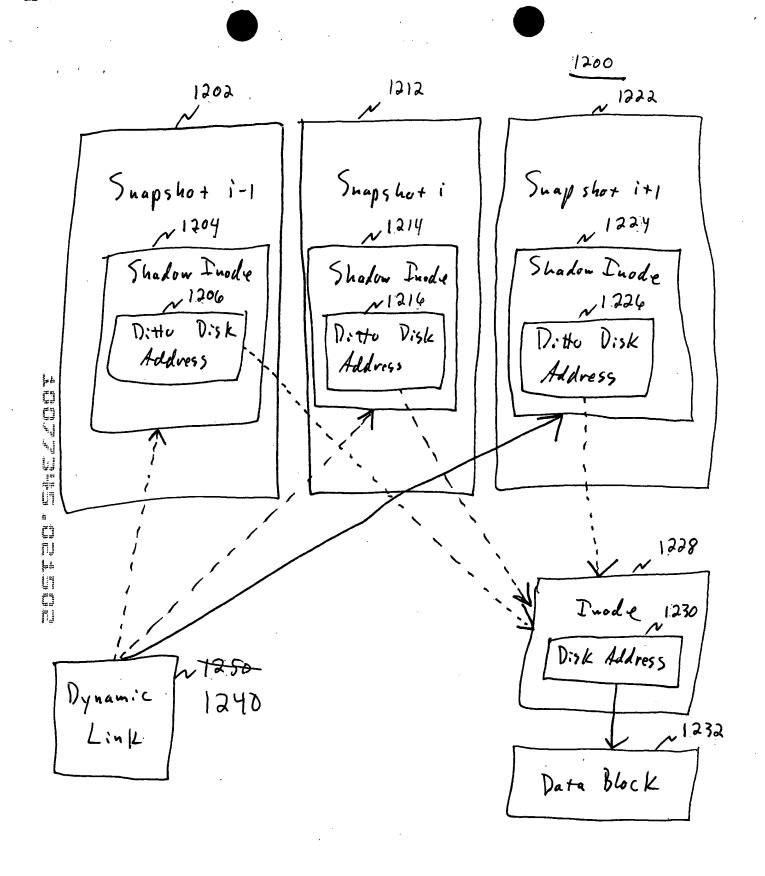
F16,9



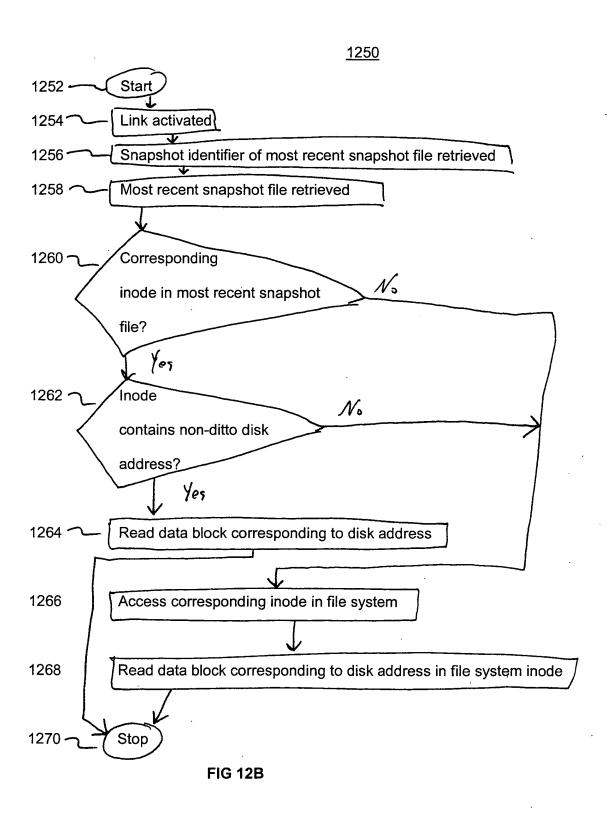
F19.10

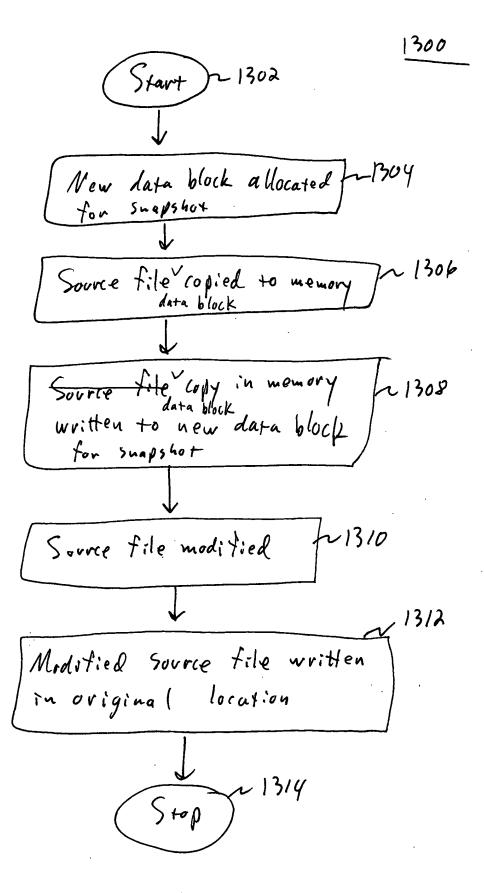


F16. 11

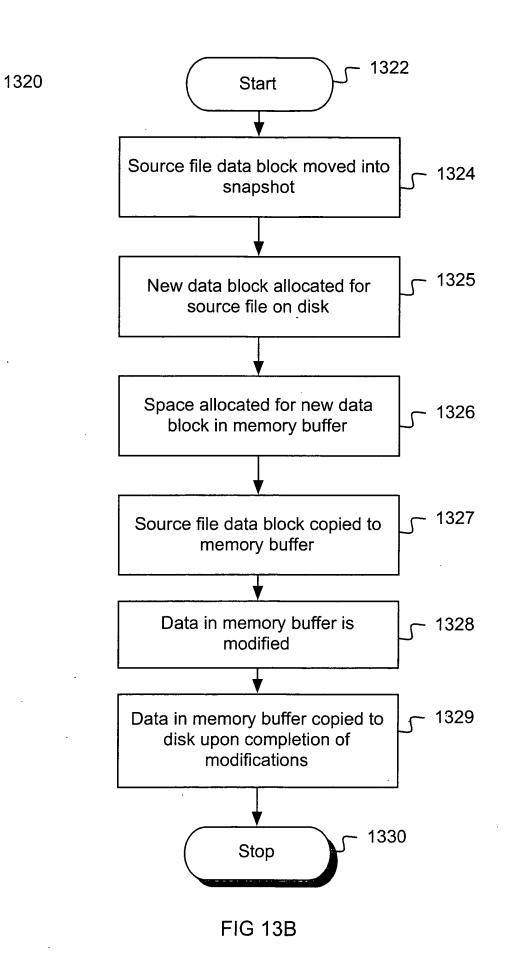


F14. 12 A



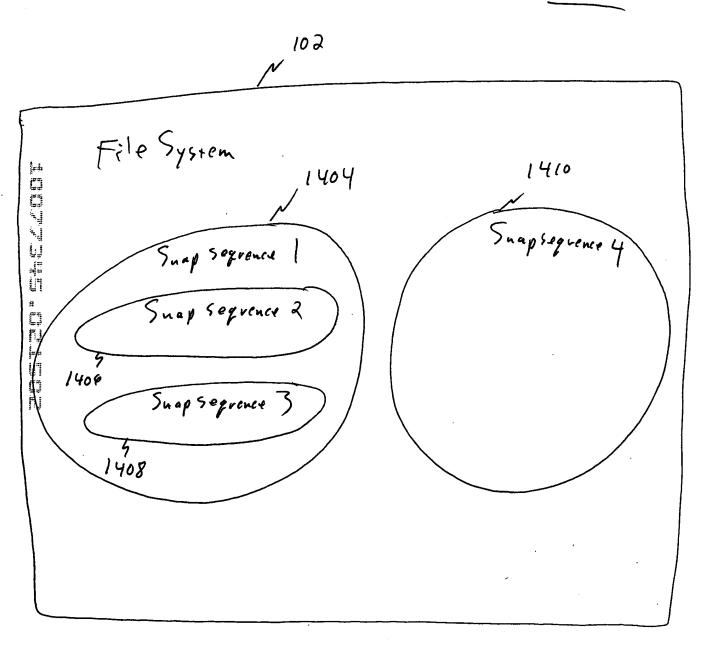


F16, 13A

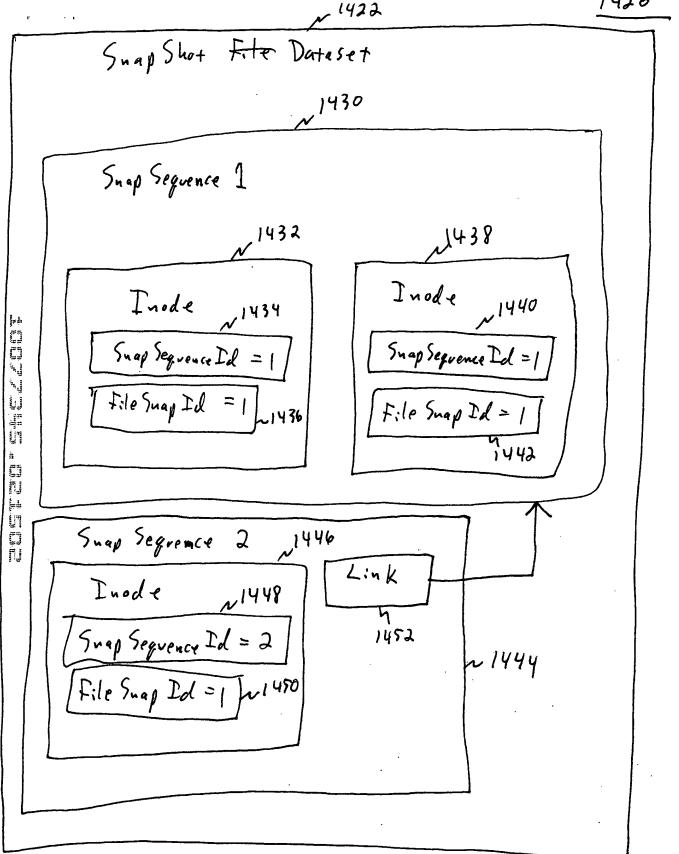


1350 W1352 Start Receive request to real source Sile 2 1356 Read data block from source file March Man Alexan San San Sant Sant San of the requested -1358 Yes data reference a valid portion of the source File? the training the same task No v 1360 Read corresponding data block from the Snapshot -1362 Copy invalid portion from the snapshot data block ~1364 Stop

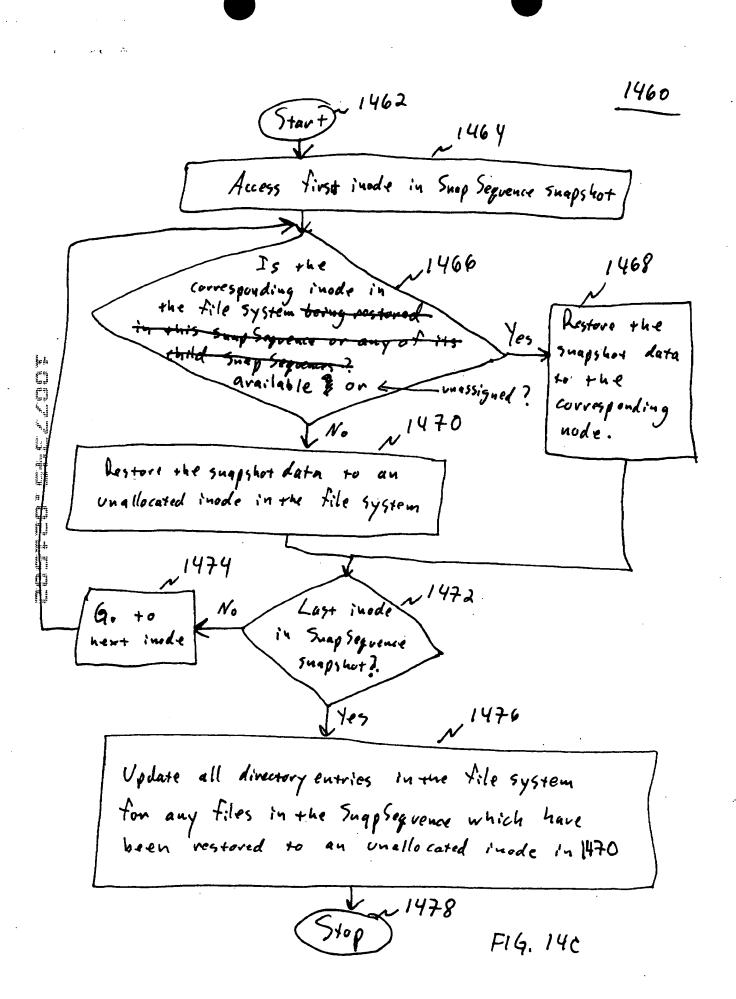
F14. 13C

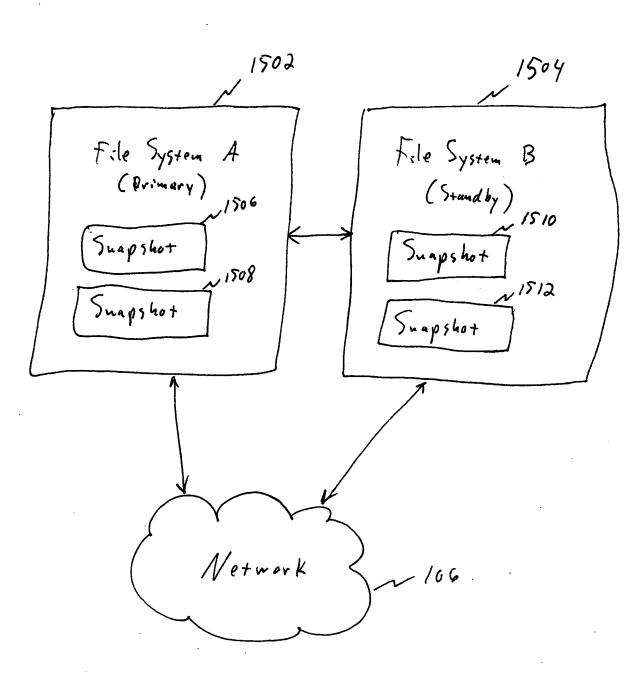


F19, 14A

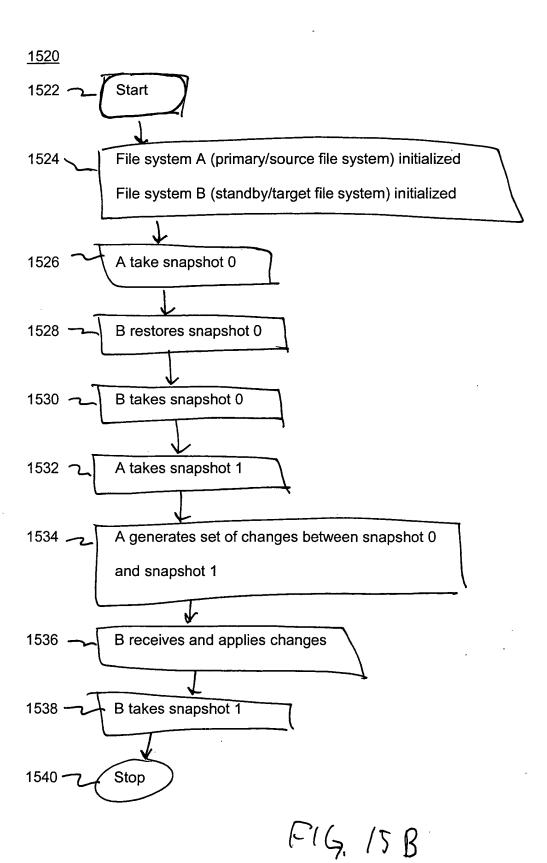


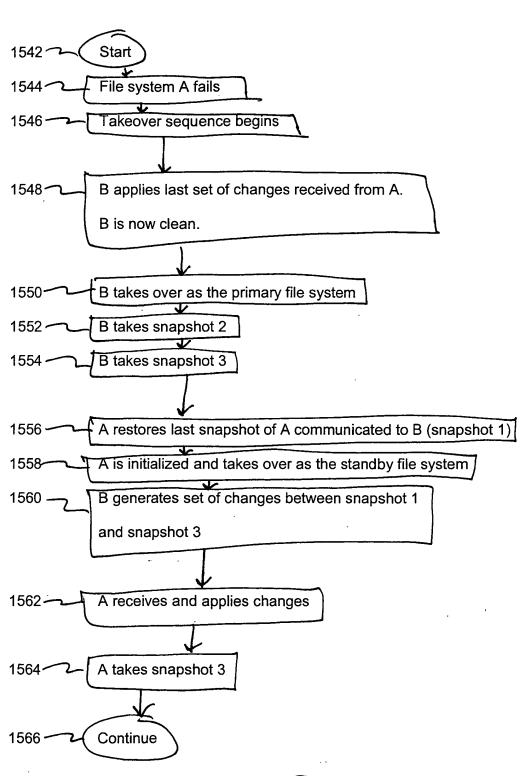
F1G. 14B



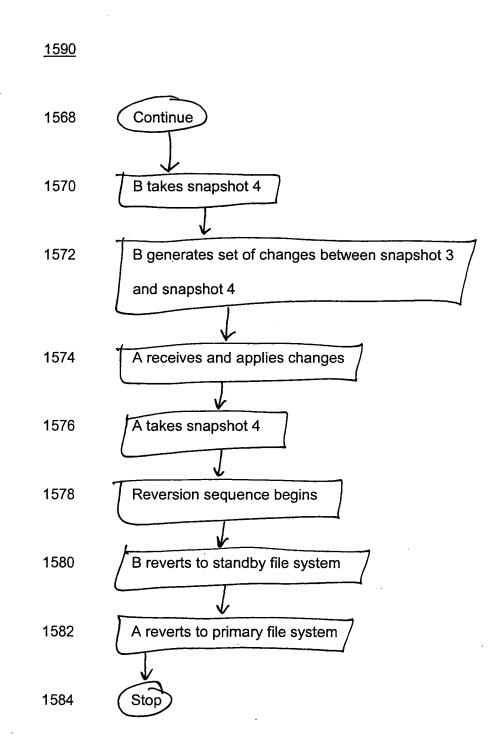


F16. 15A





F14. 152



F14, 15D

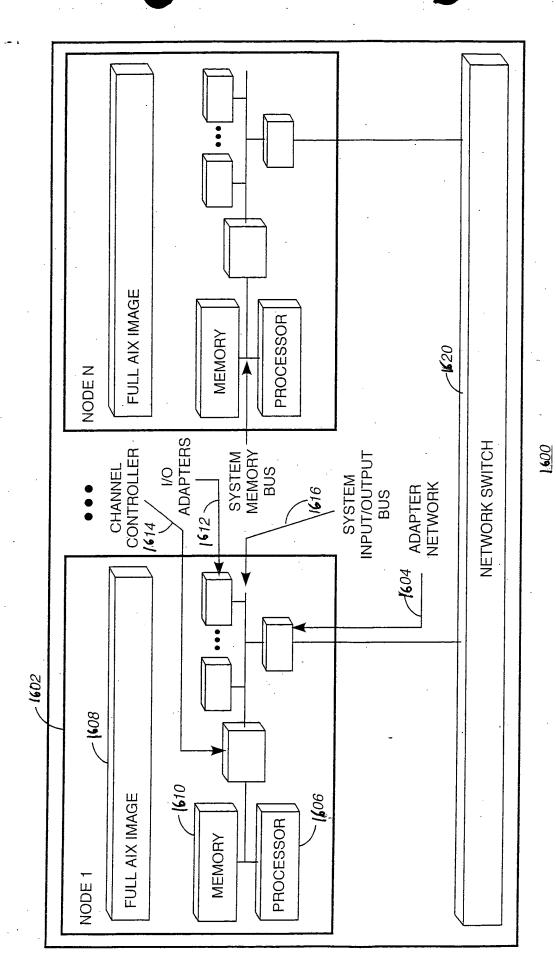


FIG. 16

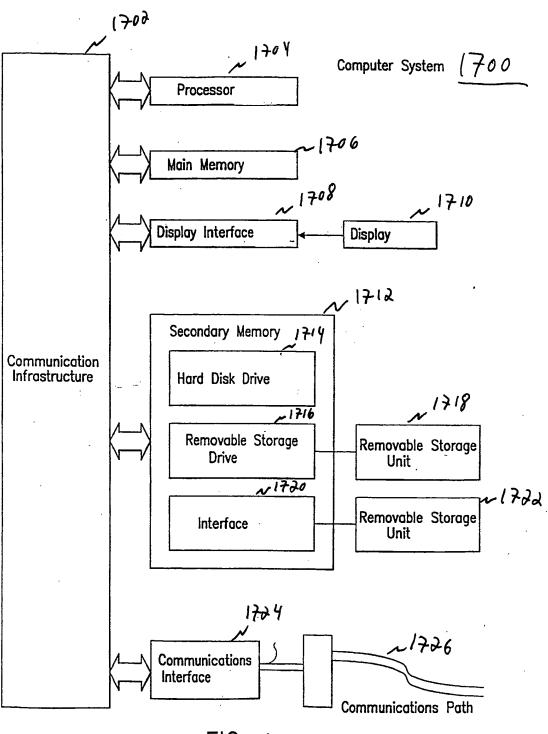


FIG. 17